

Short Answer:

Answer the following questions with complete sentences in your own words. You are encouraged to conduct your own research online or through other methods before answering the questions. If you research online, please consult multiple sources before you write down your answers. You are expected to be able to explain your answers in detail (Provide examples for each question).

1. What are the HTTP request methods? Describe what each one does.
2. Explain the differences between POST, PUT, and PATCH.
3. What does it mean for HTTP to be stateless?
4. What is URL and What is URI?
5. What are the HTTP Response Status Codes?
6. What is DNS and what role does it play?
7. What is HTML? What is CSS and What is JavaScript?
8. What is .NET?
9. What is the difference between .NET Framework and .NET core?

Coding Questions:

Write code in `c#` to solve the following problems. Please write your own answers. You are highly encouraged to present more than one way to answer the questions. Please follow best practices when you write the code so that it is easily readable, maintainable, and efficient. Clearly state your assumptions if you have any. You may discuss with others on the questions, but please write your own code.

Develop a portfolio web pages which introduce yourself by HTML, CSS, JavaScript/TypeScript

Content should include but not limit to the following:

1. Brief Introduction of yourself
2. Education history
3. Professional experience
 - a) Project
 - b) Work experience (Optional)
 - c) Link to demo (Optional)
4. Hobby
5. Avatar/Photo